

**Amendments to the Specification:**

On page one, at the beginning of the text please enter the following:

This is a divisional of Application No. 09/965,485, filed September 27, 2001, now U.S. Patent 6,759,127.

Amend the paragraph beginning at page 4, line 7 to read as follows:

After the fabric has been scoured and rinsed, the scoured material may then be subjected to a chemical treatment step. The chemical treatment of ~~some embodiments~~ of the present invention comprises exposing the inherently FR textile material to an aqueous solution of a wetting agent and a flame retardant and one or more of: an antimicrobial agent, a water repellant agent, or a soil resistance agent.

Please replace Table 1 on page 7 with the following amended Table 1:

Table 1:

|  |  |                           |    |                       |  |
|--|--|---------------------------|----|-----------------------|--|
| <b><u>Warp Yarn of the fabric:</u></b> | 150/60 SD RD TEXT SET AVORA FR <sup>TM</sup> POLYESTER   |                           |    |                       |  |
| <b><u>Fill Yarn of the fabric</u></b>  | 2/150/60 SD RD TEXT SET AVORA FR <sup>TM</sup> POLYESTER |                           |    |                       |  |
| <b><u>Ends/inch:</u></b>               | 60   | <b><u>Picks/inch:</u></b> | 38 | <b><u>Weight:</u></b> | 5.5 <del>oz</del><br><u>ounces per square yard</u> |

Amend the paragraph beginning at page 9, line 15 to read as:

As taught by the Kosa, "AVORA<sup>TM</sup> FR" publication, the inherently flame resistance properties of the AVORA<sup>TM</sup> fabric degrade after a post-weave chemical treatment. However, the present inventor has found that if a flame retardant is added during the chemical treatment

process, the fabric retains a flame resistance substantially similar to untreated inherently flame resistance fabric.

Please replace the paragraph on page 14, lines 7 through page 15, line 14 with the following amended paragraphs:

Accordingly, ~~Trevira CS~~ TREVIRA CS™ fibers was also tested in a woven fabric having the following construction:

| <u>Warp</u> |           | <u>Filling</u> |           |
|-------------|-----------|----------------|-----------|
| Denier      | 165       | Denier         | 165       |
| Filaments   | 64        | Filaments      | 64        |
| X-section   | trilobal  | X-section      | trilobal  |
| Luster      | bright    | Luster         | bright    |
| Textured    | no        | Textured       | no        |
| Fiber       | polyester | Fiber          | polyester |

Without finishing the fabric had these NFPA 701 Burn Test Results:

|             | % Weight Loss | Afterburn < 2 sec.          |
|-------------|---------------|-----------------------------|
| <b>Warp</b> | 9.3 %         | Afterflame < 2 sec.<br>Pass |
| <b>Fill</b> | 10.9%         | Pass                        |

An additional sample of

Trevira CS of the same construction was finished with:

| Chemical Name | General Description | Treatment             | Amount      |
|---------------|---------------------|-----------------------|-------------|
| ZONYL 7040    | Fluorochemical      | Fluid/Stain Repellent | 30 g/400 mL |
| AEM 5700      | Organosilane        | Antimicrobial         | 4 g/400 mL  |

The fabric was dried through exposure to 375° F for 1 minute in a hot air oven. The pad pressure was 6 psi and the air flow set at 100%.

The finished fabric was tested with these results:

| Characteristic Tested | Test Method | Units | Results  |
|-----------------------|-------------|-------|--|
|                       |             |       | Warp – 12.6 %<br>Afterflame < 2 sec.<br>Passed |

|                                    |                            |              |  |
|------------------------------------|----------------------------|--------------|--|
|                                    |                            |              | Fill – 10.4 %<br>Afterflame < 2 sec.<br>Passed |
| Fluid Repellency                   | AATCC Test 22              | Spray Rating | 100  |
| Presence of<br>Antimicrobial agent | Bromo Blue Internal<br>PFG | Pass/Fail    | Pass   |

It should now be understood by those skilled in the art that the amounts and ratios of the chemical treatment compositions as well as the type of treatment desired may be varied depending on the desired result of the chemical coating treatment. It should also be understood that all such modifications and improvements have been deleted herein for the sake of conciseness and readability but are properly within the scope of the following claims.